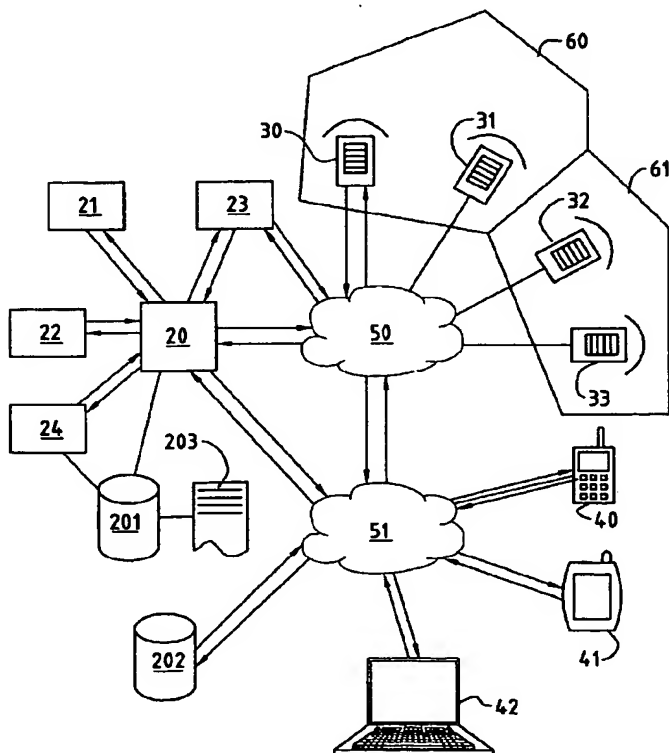


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(54) Title: METHOD AND SYSTEM FOR AUTOMATED LOCATION-DEPENDENT RECOGNITION OF FLOOD RISKS



(57) Abstract: The invention relates to a system and method for automated location-dependent recognition of flood risks, whereas a central unit (20) comprises a lookup table (203) corresponding to a spatial high resolution grid (60/61) based on decentralized measurements of flood risk factors of a specific territory, whereas the system comprises distributed gauging stations (5/30/31/32), to measure river discharge parameters (T) within a grid cell (60/61), whereas the central unit (20) comprises a correlation-module (21) generating an event-specific averaged probabilistic water depth value (H) for an flood event based on the linked flood risk factors and the river discharge values, and whereas the system comprises an cell arbitrator module (22) acting on at least on grid-based composition module (23) according to the averaged probabilistic water depth values (H).



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